

PHENIX WEEKLY PLANNING

TECHNICAL SUPPORT 2013



Rolled back
in for Run



1/17/2013
Don Lynch

This Week

TECHNICAL
SUPPORT
2013

- Disassemble/evaluate VTX/FVTX East
- Reassemble FVTX East
- Move FVTX east back to 1008 and install
- Align, Survey, rewire and reinstall FVTX East services
- Roll EC back in
- Reconnect EC electric, fiber, water and gases
- Carpenters to lower hinged platforms on EC
- Complete RPC shielding under DX magnets
- Continue working on RPC3 shielding near Q3
- Continue window Washer safety upgrades
- Continue sPHENIX design support
- Continue MPC-Ex design support
- Pink/White/Blue sheets on hold

Next Week

TECHNICAL
SUPPORT
2013

- Continue VTX East failure analyses
- Evaluate FVTX East/West risk
- Install FVTX rad monitors
- Complete FVTX East services restoration, ready for commissioning
- IF OK to run FVTX, begin commissioning
- Move MMS North to run position
- Install MuID Collars
- Carpenters to install EC ladder and dumb waiter
- Continue working on RPC3 shielding near Q3
- Continue window Washer safety upgrades
- Continue sPHENIX design support
- Continue MPC-Ex design support
- Re-commence Pink/White/Blue sheets



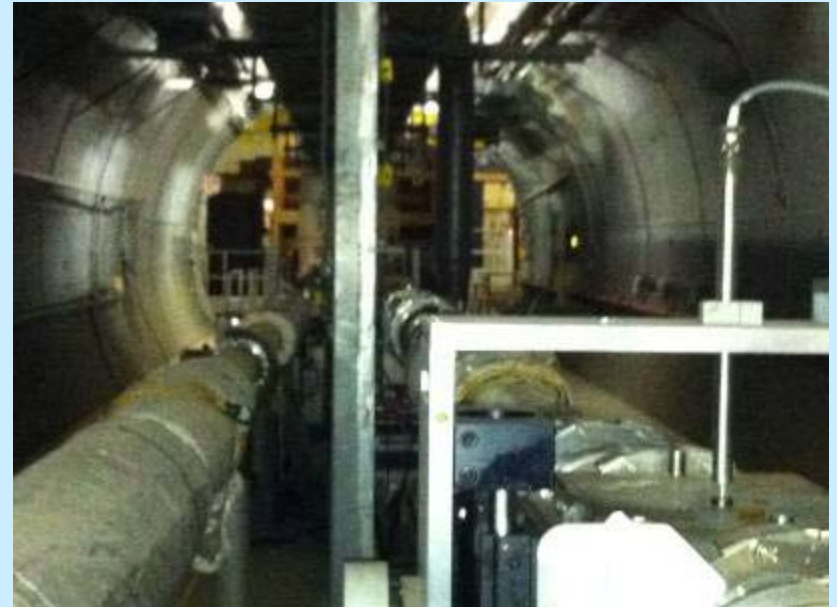
RPC Background Attenuation Project

TECHNICAL SUPPORT 2013

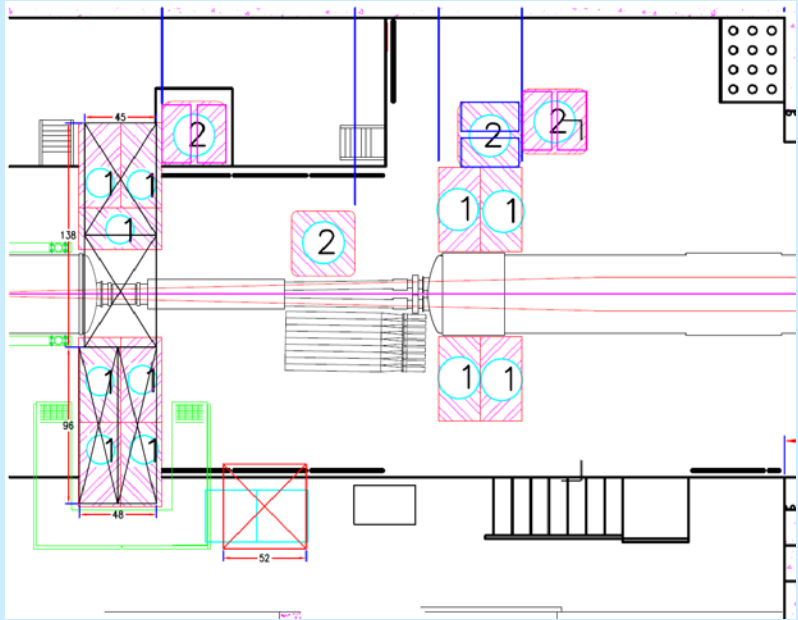
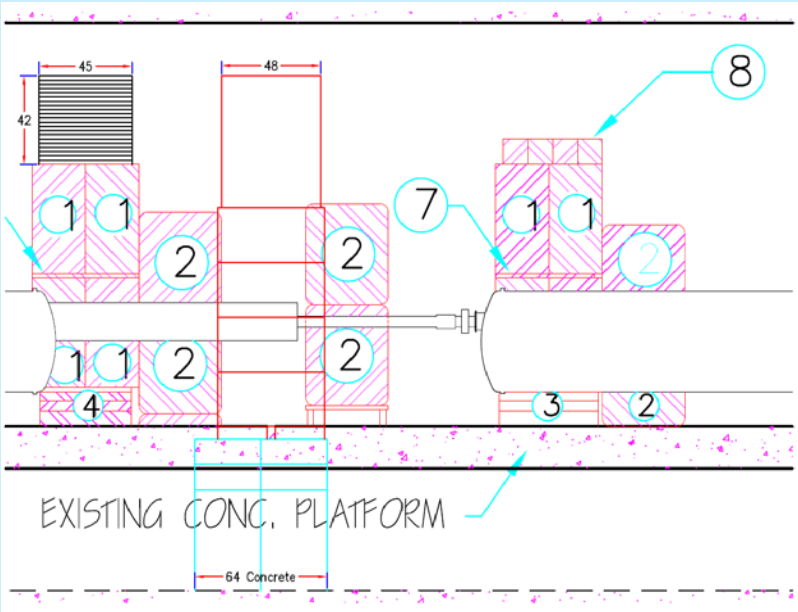


Looking towards RPC3 North
 ← East West →

Large shielding modifications at Q2 upstream
 north and south to be planned and installed by
 CA-D (Dave Phillips) by 12/14/2012. **In**
progress this week

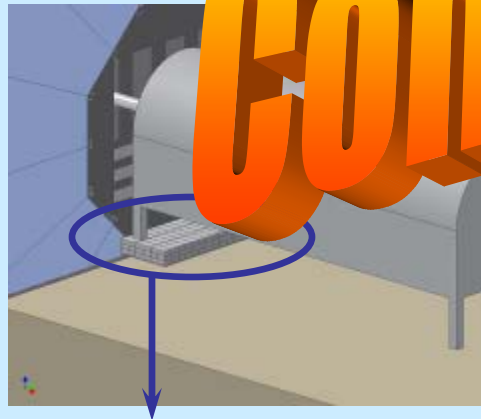
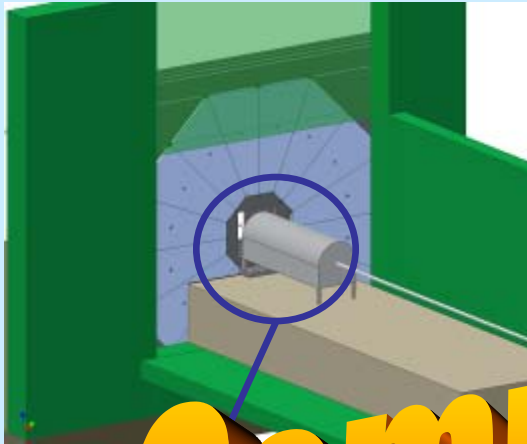


Looking towards RPC3 South
 ← West East →



RPC Background Attenuation Project

TECHNICAL SUPPORT 2013



144 Steel bricks, 2x4x8,
stacked in 3 high, 16 wide, 3
rows, respectively by 11/21

Under DX at RPC3 South

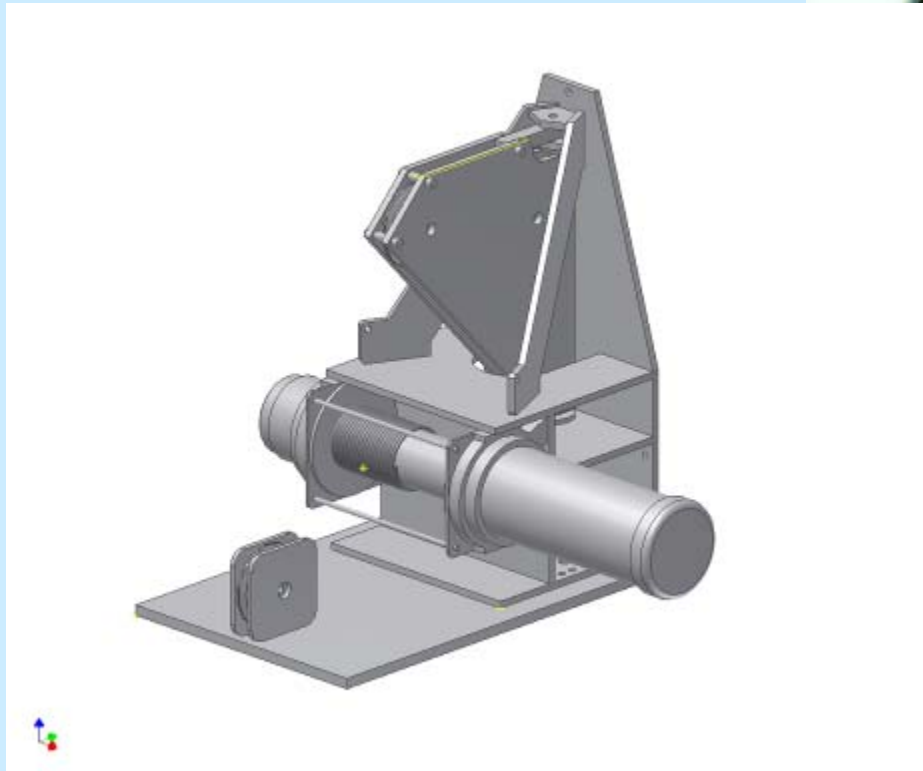
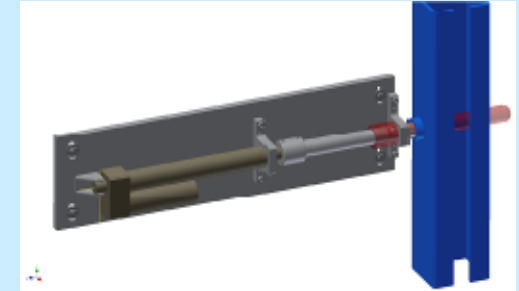
Completed



Window Washer Remote Pin Removal and Winch/spooler safety upgrades

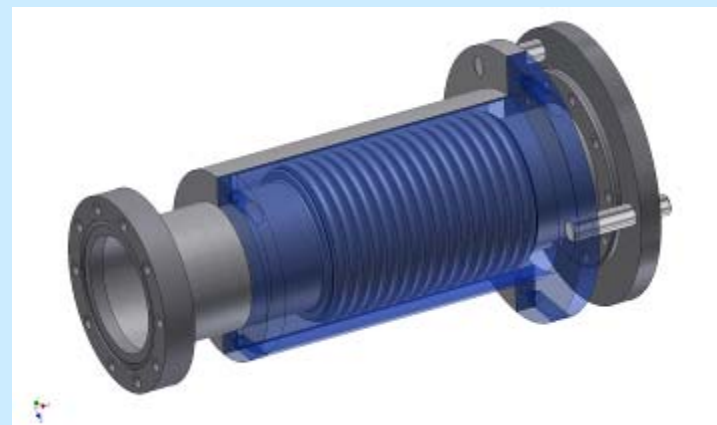
Space available:
16.5" x 27" x 28" h

Space needed for model
20" x 32" x 32.58" h

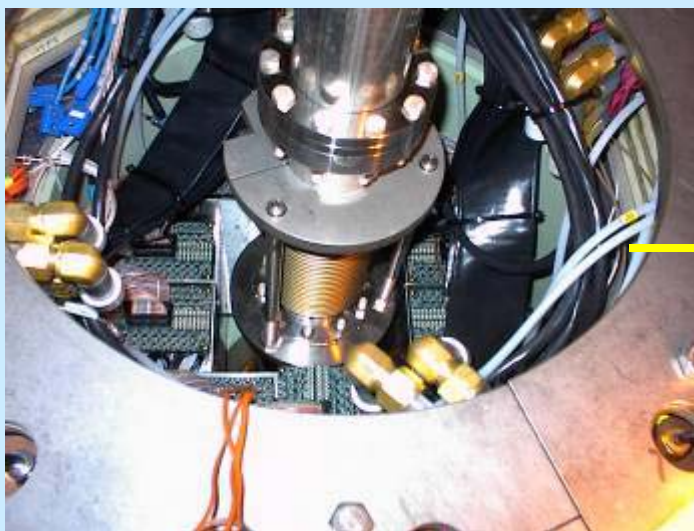




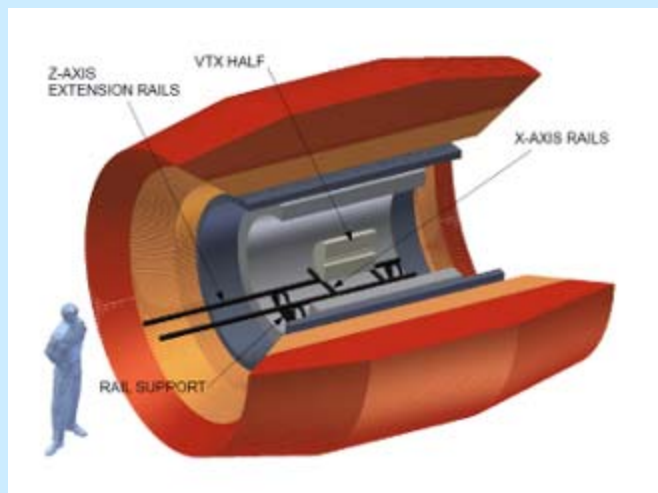
Existing vacuum bellows anti-squirm
In MPC S Cavity



Proposed vacuum bellows anti-squirm
In MPC S Cavity to accommodate MPC-Ex



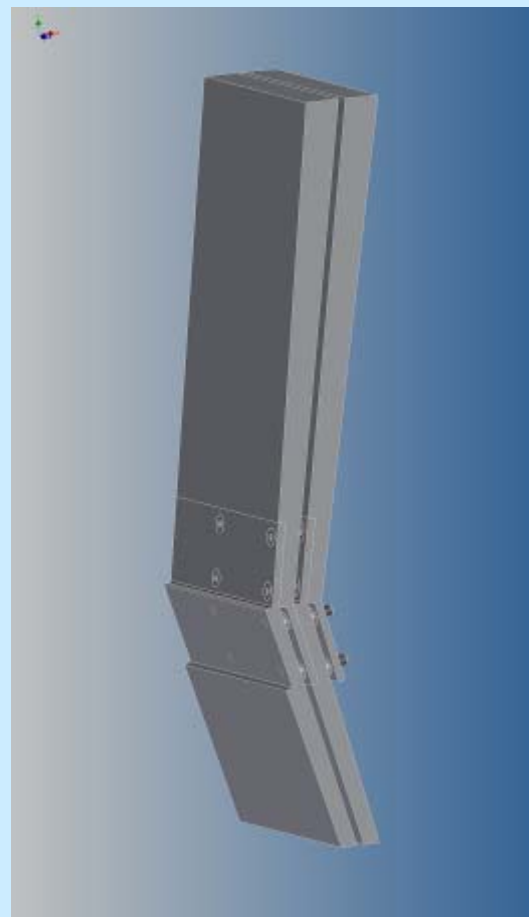
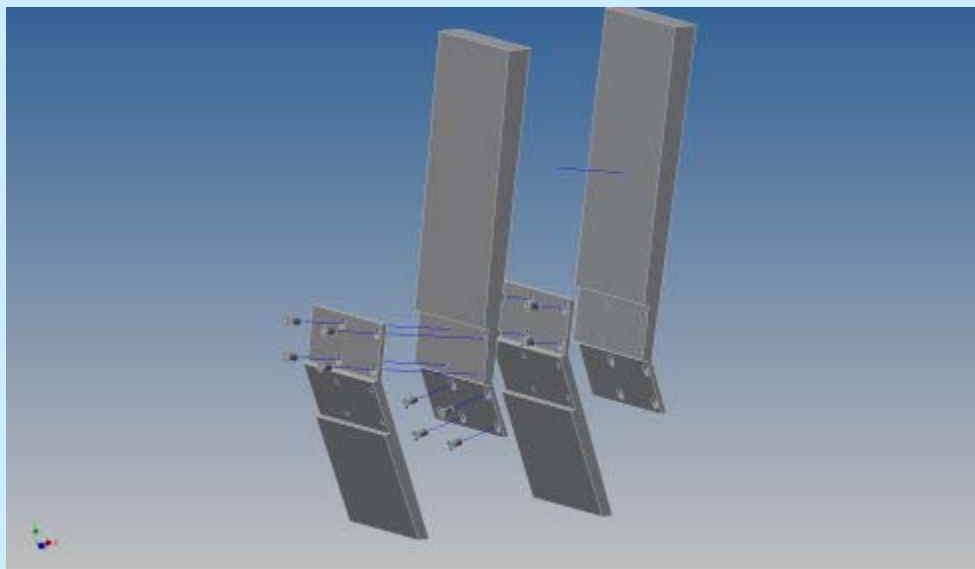
MPCS Flat cables replaced with round cables.



sPHENIX Proposed Upgrade

Work continues evaluating engineering tradeoffs for EMCal and HCal design, materials, etc.

Prototype HCal and EMCal in progress



2012 Shutdown Schedule Remaining Tasks

TECHNICAL
SUPPORT
2013

De-cable and disconnect utilities for VTX/FVTX East	Done
Disconnect gas, water, electric, fibers from EC	Done
Move EC to AH	Done
Dismount VTX/FVTX East	Done
Prep Chemistry Lab for VTX/FVTX East	Done
Transport VTX/FVTX East to Chemistry Lab	Done
Document Current configuration	Done
Remove FVTX Cages	Done
Dismount VTX Strip Layers	Done
Dismount VTX Strip-Pixel Layers	Done
Test FVTX	Done
Design and fabricate VTX stiffeners and bigwheel spacer/seals	Done
Re-assemble FVTX with VTX stiffeners and spacer/seals	Done
Transport FVTX to 1008 and install on rails	Done
Align and Survey FVTX East	Done
RPC Shielding under DX magnets	Done

Run 13 Prep Schedule Remaining Tasks (continued)

TECHNICAL SUPPORT 2013

Move EC to IR	1/17/2013
Re-cable and re-store utilities to FVTX East and isolate (valve off) VTX West circuits	1/17-1/22/13
Re-connect gas, water, electric, fibers from EC	1/17/2013
Unfold the EC platforms, re-install safety rails, (carpenters and Riggers under CAD supervision)	1/18/2013
Move the MMS north	1/18/2013
Martin Luther King Holiday weekend	1/19-1/21/2013
Install the MuID Collars	1/22/2013
Test and Commission FVTX	1/22-2/8/2013
Start Watch Shifts	1/22/2013 ?
Re-install the EC material lift and ladder (dumb waiter) BNL carpenters and Riggers under CAD supervision	1/23/2013
Magnet Tests (white Sheets)	1/28/2013
RPC tunnel Shielding (Dave Phillips)	1/31/2013
Window Washer pin & spool upgrades	1/31/2013
Pink Sheets	1/29-2/1/2013
Blue Sheets	2/1-7/2013

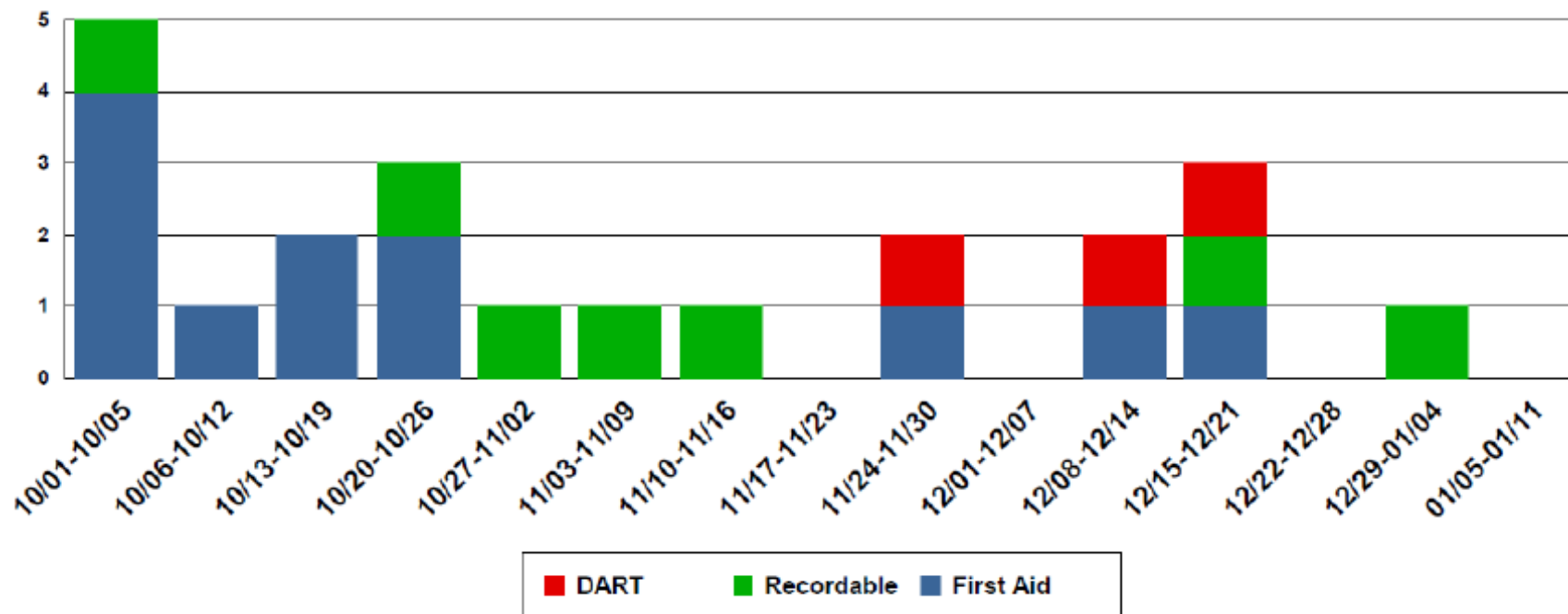
TECHNICAL SUPPORT 2013

Assemble shield Wall	2/4-7/2013
Roll-in shield wall	2/8/2013
Safety system checkout complete/start flammable gas flow	2/8/2013
Start run 13(cooldown)	2/11/2013

1. PHENIX Annual Safety Review: waiting for minutes/action items
2. PHENIX Procedures: Rob/Paul/Don to review 3 year cycle (29 PHENIX procedures require review)
3. Training- Latest training report sent out. Most JTA's up to date, a few of us need to get ODH1 and POM training renewed, a couple need PHENIX awareness and a few need LOTO renewed. Check the report to see where you are.



Injuries Per Week (FY) As of 1/11/2013



Injury Status:

FY13 YTD: DART – 3, TRC – 10, First Aid – 12

FY12: DART – 17, TRC – 35, First Aid – 70

FY11: DART – 30, TRC – 44, First Aid – 45

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seg/OccInj/BNLInjuries.aspx>

Recent Injuries	
	None

1/17/2013

A good week!

Recent Events

1/4/13

Non-
Reportable

A motor control center starter electrical bucket for the No. 4 service pump in the water treatment plant (Bldg. 624) was out of service for an extended period (motor starter parts are on order). The starter was locked and caution (yellow) tagged. On or about January 4, a BNL employee noticed that a red banded lock was used with the yellow tag. It is believed the lock had been installed for more than one year. No one was working on the equipment and there was no exposed energy. Use of a red lock for a "Caution" or equipment configuration control function was an administrative non-compliance with the F&O LO/TO procedure. ([Event Link](#))

Where To Find PHENIX Engineering Info

TECHNICAL
SUPPORT
2013

**Run 13
begins 2/11/13
(cooldown)**

End of Shutdown/Start of Run Party

When should we schedule it:

Feb. 13 ?

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

